

1           **WHAT IS CLAIMED IS:**

2           1. A push cutting device for a table saw, comprising:

3                 a seat board adapted to be mounted on a working table of a  
4                 base of the table saw, the seat board having a rectangular shape and  
5                 including two guiders each parallel to a long axis of the seat board, and  
6                 a slot defined between the two guiders and parallel to the two guiders;

7                 a slide plate reciprocally slidably mounted on a top face of  
8                 the seat board and including:

9                         two first grooves longitudinally defined in two  
10                  opposite sides of a lower face of the slide plate, each first groove  
11                  slidably receiving a corresponding one of the two guiders of the  
12                  seat board;

13                         two second grooves defined in two opposite sides of  
14                  an upper face of the slide plate; and

15                         a roller longitudinally rotatably mounted in and  
16                  extending through the slide plate, the roller reciprocally rotated in  
17                  the slot in the seat board; and

18                         a slide board reciprocally slidably mounted on a top face of  
19                  the slide plate, the slide board including two rails extending from two  
20                  opposite sides of a bottom of the slide board, each rail slidably received  
21                  in a corresponding one of the two second grooves in the slide plate.

22           2. The push cutting device for a table saw as claimed in claim 1,  
23           wherein the seat board comprises a first base plate secured on a bottom  
24           of the seat board to close the slot in the seat board, and the roller abuts  
25           and rotates on the first base plate to make the slide plate smooth move

1       on the seat board, the first base plate made of plastic material for  
2       absorbing a vibration during cutting when the slide plate is slidably  
3       mounted on the seat bard.

4             3. The push cutting device for a table saw as claimed in claim 1,  
5       wherein the slide board comprises a second base plate longitudinally  
6       secured on a bottom of the slide board and abutting the roller to make  
7       the slide board smooth move on the seat board and absorb a vibration  
8       during cutting when the slide board is slidably mounted to the slide  
9       plate.

10            4. The push cutting device for a table saw as claimed in claim 1,  
11       wherein the slide board comprises a push seat rotatably mounted on a  
12       top face of the slide board, the push seat adapted to push a workpiece  
13       toward a saw blade for cutting when the slide plate and the slide board  
14       are forward moved.